

Executive Summary Report

SMOG CHECK Statewide

Third Quarter 2008

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	2,513,532	308,832	12.29%
Total	2,879,238	384,929	13.37%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	2,171,151	86.38%	342,381	13.62%
Total	2,445,955	84.95%	433,283	15.05%

2a. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	1,290,515	86.20%	206,609	13.80%
Total	1,466,760	85.26%	253,591	14.74%

3. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	47,647	1.90%
All Emissions	157,804	6.28%
All Visual	34,942	1.39%
All Functional	104,381	4.15%
OBDII	102,285	4.07%
Overall	308,832	12.29%

4. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	2,003,746	249,122	12.43%	37,879	1.89%
Partially Enhanced	118,474	16,893	14.26%	2,500	2.11%
Basic	223,992	26,182	11.69%	4,413	1.97%
Change of Ownership	15,900	2,416	15.19%	673	4.23%
No Program	7	0	0.00%	0	0.00%
Unknown Program	151,413	14,219	9.39%	2,182	1.44%
Total Program Area	2,513,532	308,832	12.29%	47,647	1.90%

5. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	1,497,124	202,687	13.54%	33,366	2.23%
Regular	793,456	73,384	9.25%	9,278	1.17%
Basic Area Dealer	13,817	711	5.15%	79	0.57%
Gold Shield in Enhanced Area	170,901	26,370	15.43%	3,751	2.19%
Gold Shield in Basic Area	17,823	2,981	16.73%	590	3.31%
Gold Shield in COO Area	12,664	1,619	12.78%	436	3.44%
Business Fleet	30	2	6.67%	0	0.00%
Permanent Fleet Registered	445	35	7.87%	3	0.67%
Referee	1,010	509	50.40%	109	10.79%
Government Fleet	6,258	534	8.53%	35	0.56%
Unknown Privilege	4	0	0.00%	0	0.00%
Total	2,513,532	308,832	12.29%	47,647	1.90%

5.a. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	803,918	722,012
Directed Vehicles	693,206	568,503
Total	1,497,124	1,290,515

5.b. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	150,257	129,806
Directed Vehicles	51,131	39,024
Total	201,388	168,830

6. Initial Tests by Vehicle Model Year

Model Year	Initial Tests	Failed Overall	Percent (%) Failed Overall	Percent (%) Failed Emissions	Percent (%) Failed Gross Polluters	Percent (%) Failed Functional	Percent (%) Failed Visual	Percent (%) Failed OBDII
MY-0	92,379	4,882	5.28%	1.29%	0.41%	4.28%	0.48%	0.00%
MY-1966	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1968	1	1	100.00%	0.00%	0.00%	100.00%	0.00%	0.00%
MY-1969	1	1	100.00%	0.00%	0.00%	100.00%	100.00%	0.00%
MY-1970	2	2	100.00%	100.00%	50.00%	50.00%	50.00%	0.00%
MY-1971	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1973	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1974	11	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1975	25	6	24.00%	20.00%	12.00%	20.00%	8.00%	0.00%
MY-1976	3,812	1,103	28.93%	19.54%	9.50%	16.63%	8.32%	0.00%
MY-1977	5,432	1,667	30.69%	18.46%	8.49%	19.97%	8.23%	0.00%
MY-1978	6,013	1,889	31.42%	20.74%	10.41%	19.32%	8.95%	0.00%
MY-1979	6,734	2,234	33.17%	22.51%	10.75%	20.92%	8.78%	0.00%
MY-1980	4,120	1,213	29.44%	21.19%	11.33%	16.97%	8.08%	0.00%
MY-1981	5,049	1,631	32.30%	24.04%	11.73%	17.94%	8.95%	0.00%
MY-1982	5,602	1,707	30.47%	23.92%	11.17%	16.90%	7.94%	0.00%
MY-1983	8,279	2,509	30.31%	23.24%	10.97%	15.97%	7.68%	0.00%
MY-1984	14,305	4,485	31.35%	24.39%	12.54%	16.95%	7.61%	0.00%
MY-1985	20,047	5,954	29.70%	22.57%	10.49%	16.53%	6.30%	0.00%
MY-1986	30,127	8,255	27.40%	20.02%	9.10%	15.69%	5.26%	0.00%
MY-1987	33,421	9,681	28.97%	22.17%	8.86%	15.25%	5.22%	0.00%
MY-1988	41,742	10,771	25.80%	19.27%	7.55%	14.02%	4.08%	0.00%
MY-1989	56,062	13,042	23.26%	16.47%	5.96%	13.10%	3.70%	0.00%
MY-1990	65,277	14,692	22.51%	16.23%	5.62%	11.84%	2.97%	0.00%
MY-1991	77,439	15,906	20.54%	14.78%	4.86%	10.67%	2.37%	0.00%
MY-1992	76,474	14,804	19.36%	13.67%	4.33%	9.75%	2.32%	0.00%
MY-1993	91,306	19,719	21.60%	16.07%	3.84%	10.07%	2.27%	0.00%
MY-1994	117,041	20,870	17.83%	11.93%	2.68%	8.85%	2.05%	0.00%
MY-1995	111,380	18,672	16.76%	11.15%	2.42%	8.16%	1.94%	0.00%
MY-1996	149,309	22,793	15.27%	6.34%	0.96%	1.46%	1.03%	10.33%
MY-1997	126,039	18,784	14.90%	5.64%	0.99%	1.49%	1.08%	10.36%
MY-1998	214,233	21,286	9.94%	3.13%	0.55%	0.79%	0.72%	7.20%
MY-1999	139,102	13,448	9.67%	2.37%	0.47%	0.72%	0.67%	7.62%
MY-2000	349,916	23,871	6.82%	1.22%	0.27%	0.56%	0.46%	5.55%
MY-2001	103,134	8,365	8.11%	1.10%	0.25%	0.61%	0.51%	7.03%
MY-2002	393,469	19,129	4.86%	0.50%	0.13%	0.42%	0.33%	4.18%
MY-2003	49,488	1,997	4.04%	0.56%	0.14%	0.29%	0.25%	3.38%
MY-2004	51,459	1,770	3.44%	0.27%	0.08%	0.27%	0.14%	2.97%
MY-2005	22,548	728	3.23%	0.21%	0.04%	0.24%	0.12%	2.82%
MY-2006	16,959	465	2.74%	0.21%	0.05%	0.21%	0.18%	2.33%
MY-2007	16,114	344	2.13%	0.09%	0.02%	0.13%	0.11%	1.87%
MY-2008	9,198	151	1.64%	0.09%	0.08%	0.08%	0.09%	1.42%
MY-2009	480	5	1.04%	0.00%	0.00%	0.00%	0.00%	1.04%
All Model Years	2,513,532	308,832	12.29%	6.28%	1.90%	4.15%	1.39%	4.07%

7. Referee Activity

	Certificates Issued
Certificate of Compliance	825
Certificate of Non Compliance	2
Parts Cost	88
Hardship Extensions	276
Exempt Vehicle	25
Exempted by Directive	133
Parts Exemption	8
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	1,357

8. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,088
Stations Locked-Out at Least Once	407
Stations Conducted at Least One Test	7,477

9. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,731	5,813
EA	Gas Endorsement	11	0
EB	Both Endorsement	61	0
EB	Gas Endorsement	551	0
EU	Gas Endorsement	1	0
GU	Both Endorsement	20	0

10. Inspection Costs

	ASM Initial Test Count	Avg ASM Inspection Cost	TSI Initial Test Count	Avg TSI Inspection Cost	Total Initial Tests	Overall Average Inspection Cost
Test Only	1,259,552	49.65	143,153	50.44	1,402,705	49.73
Test and Repair	483,407	47.47	244,813	47.38	728,220	47.44
Test and Repair Dealer	35	55.51	12,762	52.23	12,797	52.24
Referee	502	30.00	163	30.00	665	30.00
Gold Shield in Enhanced Area	129,211	49.32	31,721	46.25	160,932	48.71
Gold Shield in Basic Area	0	0.00	16,906	37.04	16,906	37.04
Gold Shield in COO Area	153	57.60	11,333	52.94	11,486	53.01

11. Repair Costs

Repair Type	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
Regular Repairs	\$0-50	20,323	22.07	70,517	222.47
	\$51-150	16,977	101.31		
	\$151-250	11,653	199.68		
	\$251-450	12,649	335.94		
	Over \$450	8,915	778.87		
CAP Repairs	\$0-50	339	21.40	6,773	360.25
	\$51-150	637	100.81		
	\$151-250	904	202.55		
	\$251-450	2,246	352.64		
	Over \$450	2,647	526.39		
Total Repairs	\$0-50	18,877	22.20	72,127	251.34
	\$51-150	15,191	101.43		
	\$151-250	11,784	200.30		
	\$251-450	14,348	339.17		
	Over \$450	11,927	749.68		

12. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	6,330	360.24

13. Drill-Through

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Gold Shield in Enhanced Area	33	8	2	0	1	5	4	0
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	222	36	4	3	11	19	8	5

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Test Only	207	43	5	3	12	24	13	3
Acceleration Simulation Mode (ASM)	Change of Ownership	Referee	0	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	13	4	0	0	2	2	0	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	27	6	1	0	0	5	4	0
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	21	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	70	14	0	0	7	7	6	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	99,726	19,353	2,621	980	6,273	10,025	6,360	2,410
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	227	8	0	102	80	55	2
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	158	22	1	0	21	1	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	304	356	74	122	70	188	126	183
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	372,931	35,411	3,697	1,693	17,299	13,983	9,554	3,357
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair Dealer	11	1	0	0	1	1	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	1,074,837	178,743	29,361	9,195	51,516	103,217	61,315	20,315
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	8,338	1,823	291	90	558	1,003	640	223
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	15	1	0	9	2	4	0
Acceleration Simulation Mode (ASM)	Partial	Referee	10	27	7	12	2	14	14	18
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	51,512	9,195	1,271	406	2,558	4,948	3,378	961
Acceleration Simulation Mode (ASM)	Partial	Test Only	28,438	4,865	769	258	1,348	2,732	1,616	535
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	5,693	933	131	68	330	448	302	125
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	195	15	0	54	129	23	1

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	37	29	5	16	5	13	9	20
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	41,302	4,128	527	226	1,627	1,916	1,332	481
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	44,221	5,751	981	378	1,985	3,156	1,803	729
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	12,606	2,694	546	214	716	1,038	1,258	457
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	903	80	15	4	22	33	37	11
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	12,122	2,233	362	141	677	761	1,004	416
Two Speed Idle (TSI)	Basic	Government Fleet	0	11	0	0	4	2	5	0
Two Speed Idle (TSI)	Basic	Referee	41	48	15	16	10	20	16	29
Two Speed Idle (TSI)	Basic	Test and Repair	135,653	17,497	2,797	891	5,446	6,030	7,871	2,029
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	9,836	597	71	27	202	162	240	86
Two Speed Idle (TSI)	Basic	Test Only	21,008	2,935	596	151	965	1,239	1,068	334
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	112	20	6	1	5	11	8	2
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	5,137	1,042	319	42	204	572	458	114
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	573	160	42	18	32	77	86	39
Two Speed Idle (TSI)	Change of Ownership	Referee	5	5	0	2	3	2	3	2
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	4,866	728	190	49	199	325	326	121
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	112	11	1	0	5	3	4	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	2,349	439	114	45	99	205	168	74
Two Speed Idle (TSI)	Enhanced	Business-Fleet	3	1	0	0	0	1	0	0
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	1,032	102	9	3	64	20	21	7
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	1,415	130	14	8	74	28	36	10
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	13,561	1,513	246	87	683	460	500	193
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	57	8	0	30	16	10	2
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	166	13	2	0	2	7	3	1
Two Speed Idle (TSI)	Enhanced	Referee	55	31	1	18	11	3	3	20
Two Speed Idle (TSI)	Enhanced	Test and Repair	66,216	4,146	476	179	2,402	926	1,116	362
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	1,249	47	3	4	32	6	6	5

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Two Speed Idle (TSI)	Enhanced	Test Only	105,248	8,954	1,358	355	4,833	2,647	2,097	738
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	116	10	0	0	6	2	1	3
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	139	11	1	1	3	3	5	2
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	939	130	16	8	55	35	44	18
Two Speed Idle (TSI)	Partial	Test and Repair	6,128	555	86	35	221	174	204	60
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	136	8	0	0	4	1	3	0
Two Speed Idle (TSI)	Partial	Test Only	2,975	250	58	22	90	97	79	36
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	873	155	29	22	57	58	62	30
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	3,172	341	87	25	103	150	139	49
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	2,251	217	40	11	85	71	92	33
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	28	3	0	10	7	12	0
Two Speed Idle (TSI)	Unknown Program	Referee	37	11	7	1	2	7	2	4
Two Speed Idle (TSI)	Unknown Program	Test and Repair	19,413	1,684	230	116	758	470	627	216
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	1,317	46	4	2	27	7	11	5
Two Speed Idle (TSI)	Unknown Program	Test Only	11,203	701	123	35	352	208	187	65